

Amendment to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application;

1-49. **(Canceled)**

50. **(Currently Amended)** An implant system as recited in claim [[49]] 53, wherein the implant further comprises a stem projecting from the bone apposition surface, the stem being threaded to mate with the fastener.

51. **(Currently Amended)** An implant system as recited in claim [[49]] 53, wherein the implant has a socket formed on the bone apposition surface, the socket being threaded to mate with the fastener.

52. **(Currently Amended)** An implant system as ~~recited in claim 49, wherein the implant comprises~~ for resurfacing at least a portion of an articulating surface of a bone, the system comprising:

an implant having a top articular surface and an opposing bone apposition surface,
the implant comprising:

a lower bearing plate; and

an upper bearing plate having the top articular surface formed thereon, one of the lower bearing plate and upper bearing plate having a track formed thereon while the other has a key that slidably rides within the track;

an elongated fastener configured to rigidly mount to the implant so as to outwardly project from the bone apposition surface and prevent pivoting movement of the implant with respect to the fastener; and

a tubular bone anchor adapted to encircle at least a portion of the fastener, the bone anchor comprising one or more threads or barbs formed on an exterior surface thereof.

53. **(Currently Amended)** An implant system as ~~recited in claim 49, wherein the~~
~~implant comprises~~ for resurfacing at least a portion of an articulating surface of a bone, the
system comprising:

an implant having a top articular surface and an opposing bone apposition surface,
the implant comprising:

a tray having the bone apposition surface; and

a bearing plate mounted on the tray, the bearing plate being
comprised of a polymeric material and having the top articular surface;

an elongated fastener configured to rigidly mount to the implant so as to
outwardly project from the bone apposition surface and prevent pivoting movement of
the implant with respect to the fastener; and

a tubular bone anchor adapted to encircle at least a portion of the fastener, the bone
anchor comprising one or more threads or barbs formed on an exterior surface thereof.

54. **(Currently Amended)** An implant system as recited in claim ~~[[49]]~~ 53, wherein
the ~~implant comprises:~~

a-bearing plate has a ~~having the top articular surface and an opposing~~ bottom
surface disposed opposite said top articular surface, a pocket being formed on the bottom
surface of the bearing plate, ~~and~~

an inlay of porous bone ingrowth material secured within the pocket.

56. **(Currently Amended)** An implant system as recited in claim ~~[[49]]~~ 53, wherein
the fastener comprises an elongated shaft having a length in a range between about 5 mm to
about 15 mm.

57. **(Currently Amended)** An implant system as recited in claim ~~[[49]]~~ 53, wherein
the fastener comprises an elongated shaft having an enlarged head integrally formed thereon.

58. **(Currently Amended)** An implant system as recited in claim ~~[[49]]~~ 53, further
comprising an enlarged crown nut removably mountable to the fastener.

59. **(Canceled)**

60. **(Currently Amended)** An implant system as recited in claim [[49]] 53, wherein the fastener has at least one helical thread that engages with the implant and the bone anchor has at least one external helical thread, the helical thread of the bone anchor rotating in a direction opposite of the helical thread of the fastener.

61. **(Currently Amended)** An implant system as recited in claim [[49]] 53, wherein the bone anchor has an interior surface bounding a channel extending between a first end and an opposing second end, the first end terminating at a first end face, the channel comprising a first channel portion extending from the first end, a second channel portion extending from the second end, and a radially inwardly projecting shoulder disposed between the first channel portion and the second channel portion.

62. **(Original)** An implant system as recited in claim 61, wherein the fastener comprises a shaft having an enlarged head integrally formed thereon, the head being biased against the shoulder of the bone anchor.

63. **(Original)** An implant system as recited in claim 61, further comprising an enlarged crown nut removably mounted on the fastener and biased against the shoulder of the bone anchor.

64. **(Currently Amended)** An implant system as recited in claim [[49]] 53, further comprising a drive rod integrally formed with the fastener, a plurality of spaced apart annular breaking grooves being formed at the intersection between the fastener and the drive rod.

65-95. **(Canceled)**

96. **(Currently Amended)** An implant system as recited in claim ~~[[49]]~~ 53, wherein the fastener is configured to rigidly mount to the implant by threadedly engaging with the implant.

97. **(Currently Amended)** An implant system as recited in claim ~~[[49]]~~ 53, wherein the fastener has at least one helical thread that engages with the implant.

98. **(Currently Amended)** An implant system as recited in claim ~~[[49]]~~ 53, wherein the fastener has a proximal end and an opposing distal end, the distal end being mounted to the implant and the proximal end projecting away from the bone apposition surface of the implant, and wherein the implant system further comprises means for attaching a fastener driver to the proximal end of the fastener.

99. **(Previously Presented)** An implant system as recited in claim 98, wherein the means for attaching a fastener driver comprises a blind socket formed in the proximal end of the fastener.

100. **(Previously Presented)** An implant system as recited in claim 53, wherein the tray further comprises a top surface opposite the bone apposition surface and the means for securing the fastener is configured so as to be inaccessible from the top surface of the tray.

101. **(Previously Presented)** An implant system as recited in claim 58, wherein the crown nut is rotatable relative to the bone anchor.

102. **(Previously Presented)** An implant system as recited in claim 58, further comprising means for attaching an attachment tool to the crown nut.

103. **(Previously Presented)** An implant system as recited in claim 102, wherein the means for attaching the attachment tool comprises a plurality of prongs formed on the crown nut.

104-107. **(Canceled)**

108. **(Currently Amended)** An implant system as recited in claim [[49]] 53, wherein the fastener has a first helical thread and the implant has a second helical thread and the fastener is rigidly mounted to the implant by threaded connection between the first and second helical threads.

109. **(Previously Presented)** An implant for resurfacing at least a portion of an articulating surface of a bone, the implant comprising:

 a body having a first side with a top articular surface and an opposing second side with a bone apposition surface, the bone apposition surface being adapted to bias against a natural or resected articulating surface of a bone, the body comprising:

 a tray having the bone apposition surface; and

 a bearing plate mounted on the tray, the bearing plate being comprised of a polymeric material and having the top articular surface; and

 means for securing a fastener to the second side of the body after the bone apposition surface is biased against the natural or resected articulating surface such that the fastener is rigidly fixed to the body so as to prevent pivoting movement of the body with respect to the fastener and such that applying increased tension to the fastener increases a force at which the bone apposition surface biases against the natural or resected articulating surface.

110-111. **(Canceled)**

112. **(Previously Presented)** An implant as recited in claim 109, wherein the tray further comprises a top surface opposite the bone apposition surface and the means for securing the fastener is configured so as to be inaccessible from the top surface of the tray.

113. **(New)** An implant system as recited in claim 52, wherein the implant further comprises a stem projecting from the bone apposition surface, the stem being threaded to mate with the fastener.

114. **(New)** An implant system as recited in claim 52, wherein the implant has a socket formed on the bone apposition surface, the socket being threaded to mate with the fastener.

115. **(New)** An implant system as recited in claim 52, wherein the bearing plate has a bottom surface disposed opposite said top articular surface, a pocket being formed on the bottom surface of the bearing plate, an inlay of porous bone ingrowth material secured within the pocket.

116. **(New)** An implant system as recited in claim 52, wherein the fastener comprises an elongated shaft having a length in a range between about 5 mm to about 15 mm.

117. **(New)** An implant system as recited in claim 52, wherein the fastener comprises an elongated shaft having an enlarged head integrally formed thereon.

118. **(New)** An implant system as recited in claim 52, further comprising an enlarged crown nut removably mountable to the fastener.

119. **(New)** An implant system as recited in claim 52, wherein the fastener has at least one helical thread that engages with the implant and the bone anchor has at least one external helical thread, the helical thread of the bone anchor rotating in a direction opposite of the helical thread of the fastener.

120. **(New)** An implant system as recited in claim 52, wherein the bone anchor has an interior surface bounding a channel extending between a first end and an opposing second end, the first end terminating at a first end face, the channel comprising a first channel portion extending from the first end, a second channel portion extending from the second end, and a

radially inwardly projecting shoulder disposed between the first channel portion and the second channel portion.

121. **(New)** An implant system as recited in claim 120, wherein the fastener comprises a shaft having an enlarged head integrally formed thereon, the head being biased against the shoulder of the bone anchor.

122. **(New)** An implant system as recited in claim 120, further comprising an enlarged crown nut removably mounted on the fastener and biased against the shoulder of the bone anchor.

123. **(New)** An implant system as recited in claim 52, further comprising a drive rod integrally formed with the fastener, a plurality of spaced apart annular breaking grooves being formed at the intersection between the fastener and the drive rod.

124. **(New)** An implant system as recited in claim 52, wherein the fastener is configured to rigidly mount to the implant by threadedly engaging with the implant.

125. **(New)** An implant system as recited in claim 52, wherein the fastener has at least one helical thread that engages with the implant.

126. **(New)** An implant system as recited in claim 52, wherein the fastener has a proximal end and an opposing distal end, the distal end being mounted to the implant and the proximal end projecting away from the bone apposition surface of the implant, and wherein the implant system further comprises means for attaching a fastener driver to the proximal end of the fastener.

127. **(New)** An implant system as recited in claim 126, wherein the means for attaching a fastener driver comprises a blind socket formed in the proximal end of the fastener.

128. **(New)** An implant system as recited in claim 118, wherein the crown nut is rotatable relative to the bone anchor.

129. **(New)** An implant system as recited in claim 118, further comprising means for attaching an attachment tool to the crown nut.

130. **(New)** An implant system as recited in claim 129, wherein the means for attaching the attachment tool comprises a plurality of prongs formed on the crown nut.

131. **(New)** An implant system as recited in claim 52, wherein the fastener has a first helical thread and the implant has a second helical thread and the fastener is rigidly mounted to the implant by threaded connection between the first and second helical threads.